

INTERNATIONAL SEARCH REPORT

PCT/IB 03/03969

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 G06T9/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 G06T

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, INSPEC, COMPENDEX

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	EP 0 998 146 A (MATSUSHITA ELECTRONICS CORP) 3 May 2000 (2000-05-03) cited in the application abstract paragraph '0001! - paragraph '0002! paragraph '0004! - paragraph '0006! paragraph '0016! - paragraph '0025! paragraph '0095! paragraph '0154! paragraph '0172! paragraph '0179! paragraph '0182! --- -/--	1-18

☒ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

* Special categories of cited documents:

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- * & * document member of the same patent family

Date of the actual completion of the international search

14 November 2003

Date of mailing of the international search report

18/12/2003

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	<p>FLETCHER J: "ISO/MPEG LAYER 2 OPTIMUM RE-ENCODING OF DECODED AUDIO USING A MOLE SIGNAL"</p> <p>PREPRINTS OF PAPERS PRESENTED AT THE AES CONVENTION, XX, XX, May 1998 (1998-05), pages 1-15, A-E, XP000997517</p> <p>title</p> <p>abstract</p> <p>section "1. Introduction"</p> <p>section "3. Summary of MPEG Layer 2 Coding"</p> <p>section "4. How is signal quality impaired by encoding and re-encoding?"</p> <p>section "6. Time-frequency transform and alignment"</p> <p>section "7. The effect of alignment on re-encoding"</p> <p>section "8. Data to be carried in a MOLE signal"</p> <p>section "12.1 Transparent re-encoding"</p> <p>---</p>	<p>1-5, 15-18</p>
Y	<p>US 2001/010707 A1 (MATSUMURA TETSUYA ET AL) 2 August 2001 (2001-08-02)</p> <p>abstract</p> <p>paragraph '0006!</p> <p>paragraph '0010! - paragraph '0017!</p> <p>paragraph '0052! - paragraph '0070!</p> <p>paragraph '0081! - paragraph '0084!</p> <p>figures 3,5</p> <p>---</p>	<p>6-10</p>
Y	<p>EP 1 168 651 A (HITACHI LTD) 2 January 2002 (2002-01-02)</p> <p>abstract</p> <p>paragraph '0002!</p> <p>paragraph '0007!</p> <p>paragraph '0010!</p> <p>paragraph '0016!</p> <p>figure 1</p> <p>-----</p>	<p>11-14</p>

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Patent document cited in search report		Publication date	Patent family member(s)	Publication date
EP 0998146	A	03-05-2000	EP 0998146 A1	03-05-2000
			CN 1272286 T	01-11-2000
			WO 9962264 A1	02-12-1999
			JP 2000050275 A	18-02-2000
US 2001010707	A1	02-08-2001	JP 2001218213 A	10-08-2001
EP 1168651	A	02-01-2002	JP 2002014697 A	18-01-2002
			EP 1168651 A2	02-01-2002
			US 2002002412 A1	03-01-2002